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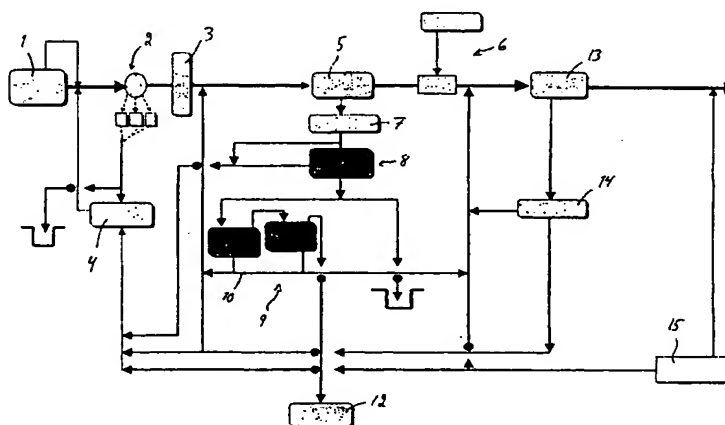
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(54) Title: METHOD AND ARRANGEMENT IN MAKING OF MECHANICAL PULP



(57) Abstract: The object of the present invention is a method and arrangement in making of mechanical pulp to reduce the amount of organic dissolved and colloidal substances in the pulp making process water by treating a part of the process water. According to the method the treating is carried out by leading the process water filtrate, separated from the pulp by a press (5) located before bleaching, to pre-treatment (8), where elongated fibres are fractionated from the process water to be treated. The filtrate that has passed the pre-treatment (8) is led to membrane filtration (9), where at least part of the organic dissolved and colloidal substances included in the process water are separated from the rest of the process water. The membrane filtration concentrate i.e. the colloidal and dissolved substances separated from the process water, is led to further treatment and the permeated i.e. the process water that has passed the membrane filtration is led back to the pulp making process. An arrangement according to the present invention comprises means to carry out the method according to the invention.

WO 2004/046456 A1



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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SE 439940 B (EKA AB), 8 July 1985 (08.07.1985), figure 3, abstract --	1-13
A	WO 9506772 A1 (UNION CAMP PATENT HOLDING, INC.), 9 March 1995 (09.03.1995), page 7, line 37 - page 8, line 8; page 9, line 5 - line 22; page 11, line 13 - line 15 --	1-13
A	US 6209727 B1 (VESA HENTTONEN ET AL), 3 April 2001 (03.04.2001) --	1-13

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0581446 A1 (METSÄ-SERIA OY), 2 February 1994 (02.02.1994), page 2, line 1 - line 7; page 3, line 8 - line 20  -- -----	1-13

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Information on patent family members

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